



INSTRUCTION MANUAL

VCC-8115P

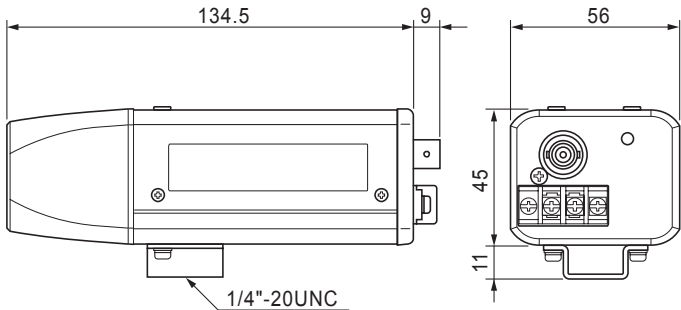
COLOR CCD camera

About this manual  
Before installing and using the camera, please read this manual carefully. Be sure to keep it handy for later reference.

FEATURES

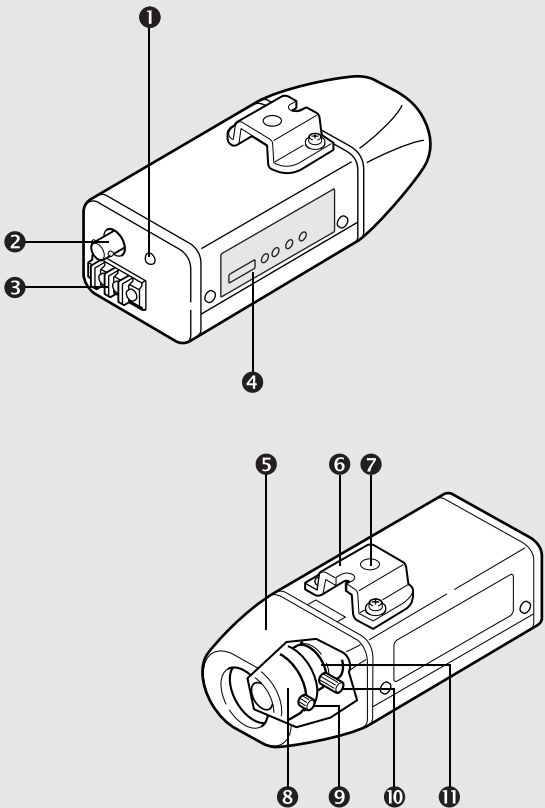
- Backlight compensation: Multi-spot metering and center-weighted metering functions
- 1/4-inch CCD solid-state image device (about 320,000 pixels)
- Vari-focal lens with automatic iris
- Horizontal resolution of 350 TV lines, S/N ratio of 48 dB min.
- Minimum required illumination of 1.2 lx (F1.4 lens)
- High sensitivity, minimum required illumination of 0.4 lx (High Gain, F1.4 lens).
- Power supply: 24 V AC and 12 V DC operation

External dimensions



Depending on the conditions of use, installation and environment, please be sure to make the appropriate settings and adjustments. If you need help with installation and/or settings, please consult your dealer.

NAMES AND FUNCTIONS OF PARTS



- ❶ **POWER (power indicator)**  
Lights when the camera power is ON.
- ❷ **VIDEO OUT (video output terminal: BNC connector)**  
Connects to the VIDEO IN (video input) terminal on the VCR or monitor.
- ❸ **GND, AC24V, DC12V (ground terminal, 24 V AC or 12 V DC input terminal)**
- ❹ **Camera adjustment/setting panel**  
Contains camera adjustment dials and setting switches.
- ❺ **Lens cover**  
Protects the lens from damage.
- ❻ **Camera attachment bracket**  
Used to attach the camera (located on underside at time of factory shipment).
- ❼ **Attachment screw hole (1/4"-20UNC)**
- ❽ **Focus ring**  
Used to focus the lens.
- ❾ **Focus ring knob**  
Used to fix the focus ring in position.
- ❿ **Zoom ring knob**  
Used to fix the zoom ring in position.
- ⓫ **Zoom ring**  
Used to zoom in/out.

PRECAUTIONS

- **In case of problem**  
Do not use the camera if smoke or a strange odor comes from the unit, or if it seems not to function correctly. Disconnect the power cord immediately, and consult your dealer or a Sanyo Authorized Service Center.
- **Do not open or modify**  
Do not open the cabinet, as it may be dangerous and cause damage to the unit. For internal settings and repairs, consult your dealer or a Sanyo Authorized Service Center.
- **Do not put objects inside the unit**  
Make sure that no metal objects or flammable substance get inside the camera. If used with a foreign object inside, it could cause a fire, short-circuits or damages. If water or a liquid gets inside the camera, disconnect the power cord immediately, and consult your dealer or a Sanyo Authorized Service Center. Be careful to protect the camera from rain, sea water, etc.
- **Be careful when handling the unit**  
To prevent damages, do not drop the camera or subject it to strong shock or vibration.
- **Install away from electric or magnetic fields**  
If installed close to a TV, radio transmitter, magnet, electric motor, transformer, audio speakers the magnetic field they generate will distort the image.
- **Protect from humidity and dust**  
To prevent damages to the camera, do not install it where there is greasy smoke or steam, where the dampness may get too high, or where there is a lot of dust.

TROUBLESHOOTING

- Before sending the camera out for repair, check the items below. If the problem persists after checking these items, contact your place of purchase or a Sanyo Authorized Service Center.
- **If no image appears**
    - Is the coaxial cable attached securely?
    - Are the power and voltage normal?
    - Has the iris of the lens inside the camera been adjusted correctly (with the iris dial)?
    - Is there adequate illumination?
  - **If the image is unclear**
    - Is the lens in focus?
    - Is the lens dirty?  
Dirt or fingerprints on the lens can adversely affect the image. Gently wipe any dirt or fingerprints off the lens with a soft cloth or lens cleaning paper and cleaning fluid (commercially available).
    - Is the monitor adjusted correctly?

SERVICE

The camera is a precision instrument. Handle it carefully and always follow the safety precautions. If the camera requires service, never try to repair it yourself or open the casing. For servicing, maintenance, or repairs, contact your place of purchase or a Sanyo Authorized Service Center.

- **Protect from high temperatures**  
Do not install close to stoves, or other heat generating devices, such as spotlights, etc., or where it could be subject to direct sunlight, as that could cause deformation, discoloration or other damages.  
Be careful when installing close to the ceiling, in a kitchen or boiler room, as the temperature may raise to high levels. Install where the temperature range will stay between -10°C (14°F) and 50°C (122°F). (no condensation)
- **Cleaning**
  - Dirt can be removed from the cabinet by wiping it with a soft cloth. To remove stains, wipe with a soft cloth moistened with a soft detergent solution and wrung dry, then wipe dry with dry soft cloth.
  - Do not use benzine, thinner or other chemical product on the cabinet, as that may cause deformation and paint peeling. Before using a chemical cloth, make sure to read all accompanying instructions. Make sure that no plastic or rubber material comes in contact with the cabinet for a long period of time, as that may cause damage or paint peeling.

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SPECIFICATIONS

Scanning system	: PAL standard (625 scanning lines, 25 frames/second)
Interlace	: PLL 2:1 interlace
Image device	: 1/4-inch solid-state CCD
Number of pixels	: 537 (H) × 597 (V)
Number of pixels in image area	: 500 (H) × 582 (V)
Sync system	: Internal sync/line lock (manually switched)
Resolution	: Horizontal: 350 TV lines Vertical: 400 TV lines
Camera output terminal	: 1.0 V(p-p)/75 Ω, composite
Image S/N ratio	: 48 dB min.
Vari-focal lens	: F=1.4 - 1.8, f=2.8 - 5.8mm Horizontal: 35°- 65°; Vertical: 27°- 51° Angle: 43°- 77°
Minimum required illumination	: 1.2 lx approx. (with F1.4 lens)
Backlight compensation function	: Set to "MULTI" or "OFF" Set to "Center" or "OFF"
White balance	: Set to "Auto" or "Manual"
Attachment screw hole diameter	: 1/4"-20UNC (top or bottom surface)
Operating environment	: Ambient temperature: -10 to +50°C (14 to 122°F) Humidity: 90% RH max.
Power	: 24 V AC, 50 Hz/12 to 15 V DC
Power consumption	: 2.5 W approx.
Weight	: 283 g approx.

Appearance and specifications are subject to change without prior notice.

